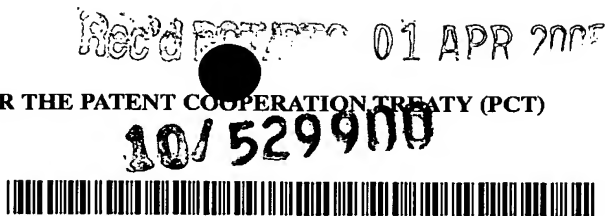


(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 April 2004 (15.04.2004)

PCT

(10) International Publication Number
WO 2004/031577 A3

(51) International Patent Classification⁷: **H02P 9/04**,
H02K 7/00, 49/00, 47/04, 16/00, F16H 3/72, 37/00

(21) International Application Number:
PCT/IL2003/000779

(22) International Filing Date:
29 September 2003 (29.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
152090 3 October 2002 (03.10.2002) IL

(71) Applicant and

(72) Inventor: MILLER, Kobi [IL/IL]; Hafez Hayim, 10,
28032 kiryat Ata (IL).

(74) Agent: COHEN NISSAN, Mordekay; Ma'ale Hashihur
19, P.O. Box 1000, 31009 Haifa (IL).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

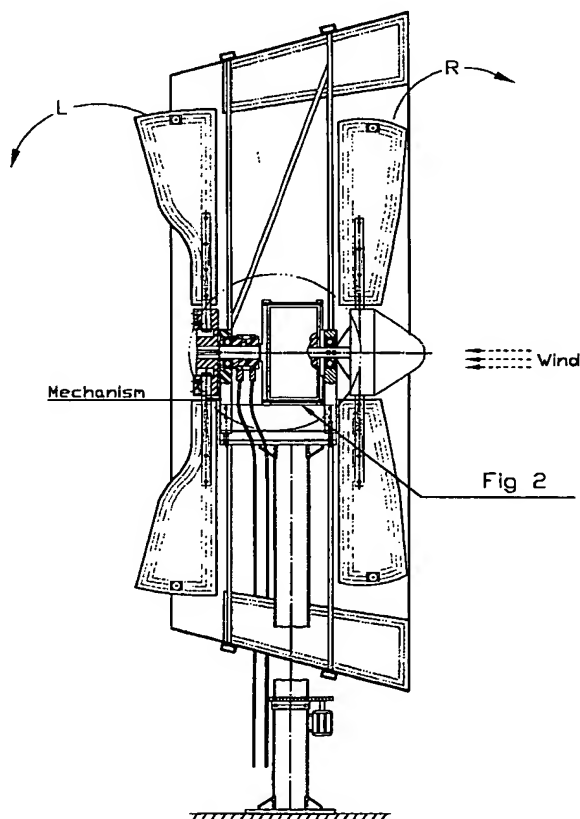
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: MECHANISM FOR ROTATING THE ROTOR/S AND STATOR/S AN ELECTRIC POWER GENERATOR/S



(57) Abstract: Normal existing systems generate electrical power from a mechanical rotational power produced by internal combustion engines which rotate the rotor in one direction with a fixed stator. The present invention makes the rotor and the stator in opposite directions so as to generate more electrical power.



(88) Date of publication of the international search report:
16 December 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00779

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H02P 9/04; H02K 7/00, 49/00, 47/04, 16/00; F16H 3/72, 37/00

US CL : 475/1; 290/1A, 1B, 52, 54, 55; 310/40R, 102R, 113, 114

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 475/1; 290/1A, 1B, 52, 54, 55; 310/40R, 102R, 113, 114

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,291,233 (Kirschbaum) 22 September 1981 (22.09.1981), entire document	1-5
X	US 4,275,324 (Flick) 23 June 1981 (23.06.1981), entire document	1-5
X	US 4,084,445 (Erwin) 18 April 1978 (18.04.1978), entire document	1-5
X	US 1,845,770 (Umansky) 16 February 1932 (16.02.1932), entire document	1-5
X	US 1,805,486 (Horstoktte) 19 May 1931 (19.05.1931), entire document	1-5
X	US 5,553,996 (Farrar) 10 September 1996 (10.09.1996), entire document	1-5
X	US 5,495,907 (Data) 05 March 1996 (05.03.1996), entire document	1-5
X	US 4,982,954 (Lazar) 08 January 1991 (08.01.1991), entire document	1-5
X	US 4,419,587 (Benton) 06 December 1983 (06.12.1983), entire document	1-5



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

13 July 2004 (13.07.2004)

Date of mailing of the international search report

03 NOV 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Tisha D. Lewis *V. Hodger*

Telephone No. 703-305-0921

Form PCT/ISA/210 (second sheet) (July 1998)

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RU 2105189 C1 (Chizhikov) 20 February 1998 (20.02.1998), entire document	1-5
X	DE 20113760 U1 (Schmoll R) 31 January 2002 (31.01.2002), entire document	1-5
X	JP 01-286750 A (Fuji Heavy Ind Ltd) 17 November 1989 (17.11.1989), entire document	1-5
X	DE 3724835 A1 (Riesinger) 16 February 1989 (16.02.1989), entire document	1-5
X	EP 469263 A (Born et al) 05 February 1992 (05.02.1992), entire document	1-5
PX	DE 10152712 A1 (Wobben) 08 May 2003 (08.05.2003), entire document	1-5
PX	JP 2002-315259 A (Fuji Heavy Ind Ltd) 25 October 2002 (25.10.2002), entire document	1-5
EX	US 2003-0227228 A1 (Cherciu) 11 December 2003 (11.12.2003), entire document	1-5